

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 2    | "7035898".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/16 11:04 |
| S2    | 2    | "20040068562"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/17 13:43 |
| S3    | 98   | ((factory) near1 (machine device unit apparatus)) and ((polic\$3 rules) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/16 16:32 |
| S4    | 2039 | ("PLC" (programmable near logic) (programmble near1 controller)) and ((polic\$3 rules) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/16 11:08 |
| S5    | 609  | ("PLC" ("programmable logic controller")) and ((polic\$3 rules) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/16 13:07 |
| S6    | 62   | ("PLC" ("programmable logic controller")) and ((polic\$3 rules) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6)) and ("VPN" (virtual adj private adj network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/16 12:12 |
| S7    | 609  | ("PLC" (programmable adj logic adj controller)) and ((polic\$3 rules) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/16 11:10 |
| S8    | 22   | ("20020049512"   "20020069370"   "20020083059"   "20020116399"   "20020123996"   "20030005109"   "20030014557"   "20030023616"   "20030138105"   "4251858"   "4672572"   "5574898"   "5748890"   "5789770"   "5835915"   "6189016"   "6237786"   "6256773"   "6356941"   "6442448"   "6493685"   "6615349").PN. OR ("7123974").URPN. | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/16 11:22 |

## EAST Search History

|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| S10 | 79  | (“20040210629”   “3971000”   “4251858”   “4319338”   “4688167”   “4701845”   “4845644”   “4858152”   “4897777”   “4912623”   “4937777”   “4949274”   “4953074”   “4974151”   “4979107”   “4992926”   “5012402”   “5023770”   “5047959”   “5072356”   “5072412”   “5109487”   “5122948”   “5131092”   “5134574”   “5151896”   “5151978”   “5157595”   “5159673”   “5161211”   “5165030”   “5179700”   “5225974”   “5245704”   “5251302”   “5283861”   “5297257”   “5307463”   “5321829”   “5343469”   “5349675”   “5386524”   “5398336”   “5406473”   “5420977”   “5430730”   “5440699”   “5446868”   “5471617”   “5528503”   “5598536”   “5611059”   “5613115”   “5623652”   “5625781”   “5699350”   “5734831”   “5793954”   “5805442”   “5862391”   “5950006”   “5975737”   “5982362”   “5997167”   “6016523”   “6028866”   “6032203”   “6038486”   “6058251”   “6061721”   “6122670”   “6151640”   “6263487”   “6268853”   “6510350”   “6587884”   “6788980”   “6853867”).PN. OR (“7035898”).URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/04/16 11:42 |
| S11 | 90  | (“PLC” (“programmable logic controller”)) and ((polic\$3 rules) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6)) and (“VPN” (virtual near1 network) (private near1 network) (virtual near1 terminal) (virtual near1 protocol) )   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 14:46 |
| S12 | 642 | (“PLC” (“programmable logic controller”)) and (“VPN” (virtual near1 network) (private near1 network) (virtual near1 protocol))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:33 |
| S13 | 601 | S12 and ((secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:08 |
| S14 | 201 | S12 and ((polic\$3 rules access\$3) with (secur\$3 authenticat\$3 validat\$3 verificat\$3 verify\$3 authoriz\$6))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:21 |
| S15 | 89  | S13 and “709”/\$.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:11 |
| S16 | 118 | S13 and “370”/\$.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:09 |

## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S17 | 32  | S13 and "726"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:19 |
| S18 | 77  | S13 and "700"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:10 |
| S19 | 125 | S12 and ((polic\$3 rules) with (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:37 |
| S20 | 240 | ("PLC" ("programmable logic controller")) and ("VPN" "VLAN")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 13:36 |
| S21 | 56  | S20 and ((polic\$3 rules) with (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 14:38 |
| S22 | 66  | ("6321272" "6325540" "6412980" "6473668").PN"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 14:38 |
| S23 | 423 | ("PLC" ("programmable logic controller")) and ((polic\$3 rules) near3 (secur\$3 access\$3 local network))                               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 14:47 |
| S24 | 24  | 726/1,2-4,14,15.ccls. and ("PLC" ("programmable logic controller")) and ((polic\$3 rules) near3 (secur\$3 access\$3 local network))     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 17:01 |
| S25 | 31  | 709/225,223,229,230.ccls. and ("PLC" ("programmable logic controller")) and ((polic\$3 rules) near3 (secur\$3 access\$3 local network)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:28 |
| S26 | 30  | "370"/\$.ccls. and ("PLC" ("programmable logic controller")) and ((polic\$3 rules) near3 (secur\$3 access\$3 local network))            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:27 |

## EAST Search History

|     |       |   |  |    |    |                  |
|-----|-------|---|--|----|----|------------------|
| S27 | 64    | "700"/\$.ccls. and ("PLC" ("programmable logic controller")) and ((polic\$3 rules) near3 (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 14:49 |
| S28 | 14    | ("PLC" ("programmable logic controller") (programmable near controller)) with ((polic\$3 rules) near3 (secur\$3 access\$3 local network))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:28 |
| S29 | 31    | ("PLC" ("programmable logic controller") (programmable near controller)) same ((polic\$3 rules) near3 (secur\$3 access\$3 local network))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:43 |
| S30 | 2949  | (switch router fabric) same ((polic\$3 rules) near3 (secur\$3 access\$3 local network))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:26 |
| S31 | 15    | S30 and ((factory industrial) near1 (machine device unit apparatus network)) and ((polic\$3 rules) same (secur\$3 authentict\$3 validat\$3 verificat\$3 verify\$3 access\$3 authoriz\$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:09 |
| S32 | 971   | S30 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:45 |
| S33 | 1111  | S30 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol) "VLAN")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:10 |
| S34 | 449   | S30 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol) "VLAN") same ("local area network" "LAN")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:44 |
| S35 | 13    | S15 and ((factory industrial) near1 (machine device unit apparatus network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:45 |
| S36 | 47061 | ((factory industrial) near1 (machine device unit apparatus network equipment))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:43 |

## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S37 | 310 | S36 and ((polic\$3 rules) near3 (secur\$3 access\$3 local network))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:43 |
| S38 | 26  | S37 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol) "VLAN") same ("local area network" "LAN"))                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:44 |
| S39 | 50  | S37 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol) "VLAN") and ("local area network" "LAN"))                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 16:49 |
| S40 | 41  | 726/1,2-4,14,15.ccls. and S34   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:27 |
| S41 | 5   | 09/796847   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 17:40 |
| S42 | 2   | "7058814".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/16 17:42 |
| S43 | 2   | "6084967".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 08:51 |
| S44 | 41  | 726/1,15.ccls. and ("LAN" "local area network") and (router switch febric proxy gateway) with (secur\$3 access network local) near2 (polic\$3 rules)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:09 |
| S45 | 633 | ((industrial) near1 (network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:09 |
| S46 | 30  | S45 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol) "VLAN")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:10 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S47 | 16   | ("20010043603"   "20020112076"   "20050122689"   "5751967"   "5974467"   "6128665"   "6144638"   "6154770"   "6239798"   "6393473"   "6466995"   "6505228"   "6665285"   "6760748"   "7027394"   "7072360").PN. OR ("7194003").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/04/17 10:25 |
| S48 | 5    | S45 and (switch router fabric) same ((polic\$3 rules) near3 (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:44 |
| S49 | 10   | S45 and ((switch router fabric proxy gateway) same (polic\$3 rules) near3 (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:30 |
| S50 | 6    | 726/1,2-4,14,15.ccls. and S45  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:46 |
| S51 | 23   | 709/225,223,229,230.ccls. and S45  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:28 |
| S52 | 45   | S45 and ((polic\$3 rules) near3 (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:31 |
| S53 | 1561 | (switch) same ((polic\$3 rules) near3 (secur\$3 access\$3 local network))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:44 |
| S54 | 432  | S53 and ("VPN" (virtual near1 network) (private near1 network) (virtual near1 protocol))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:45 |
| S55 | 8    | S54 and ((factory industrial) near1 (machine device unit apparatus network))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 10:45 |
| S56 | 33   | 726/1,2-4,14,15.ccls. and S54  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/17 11:02 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S57 | 185   | ("20040162996" "4896087" "6453210"<br>"5251302" "6061603" "6061603" "6151625"<br>"7035898" "6401159" "4901218" "5644730"<br>"6032203" "6035240" "6038669" "7051143"<br>"20040054829" "20040260538" "20040260557"<br>"20050102556" "5586259" "6020755"<br>"5984498" "6184710" "6363183" "7085445"<br>"20020099454" "20030177440" "20060041322"<br>"20060041630" "20060179120" "20060179121"<br>"20060190624" "6282454" "6484061"<br>"6587884" "7058693" "20010003804"<br>"20020156837" "20020156838" "20030139821"<br>"20050033802" "20050085928" "5604914"<br>"20020152289" "20040107345" "20040117624"<br>"20040153171" "20060074498" "6128215"<br>"6269020" "6353551" "20060015195"<br>"5185708" "5757275" "6141628" "7010368"<br>"20030144753" "20050086560" "20050213036"<br>"5551053" "5675830" "5812394" "6415082"<br>"6549034" "20030204560" "4897777"<br>"4937419" "4992926" "5023770" "5038318"<br>"5245704" "5442306" "5486972" "5566176"<br>"5718767" "5777557" "5815659" "5831428"<br>"5843515" "5919260" RE36263 "6016523"<br>"6017394" "6021356" "6132511" "6169928"<br>"6233626" "6272398" "6301610" "6411987"<br>"6422315" "6466995" "6640140" "6640314"<br>"6728262" "6867749" "6963922" "7032029"<br>"7046882" "7058712" .pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/17 11:45 |
| S59 | 2     | "6151628".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/17 11:45 |
| S60 | 2     | 10/080574   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/17 15:26 |
| S61 | 2     | "6711687".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/17 14:04 |
| S62 | 2     | "6275588".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 11:36 |
| S63 | 13207 | ((without bypass\$3) near3 (verification<br>authentication authorization))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 11:37 |

## EAST Search History

|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| S64 | 408 | ((without bypass\$3) near3 (verification authentication authorization)) same (emergency administrator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/18 11:38 |
| S65 | 61  | ((without bypass\$3) near3 (verification authentication authorization)) with (emergency admin\$7)      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/18 11:57 |